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Date of Signature and Deposit: October 13, 2000

Bennett J. Berson

PATENT

GAU1632
#9
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OCT 20 2000



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE TECH CENTER 1600/2900

Applicants: Judith E. Kimble
Robert H. Blelloch

Date: October 13, 2000

Serial No.: 09/321,987

Group Art Unit: 1632

Filed: 05/28/99

Examiner: R. Shukla

For: AGENT AND METHOD FOR
MODULATION OF CELL MIGRATION

File No.: 960296.95386

RESPONSE

Commissioner For Patents
Washington DC 20231

Dear Sir:

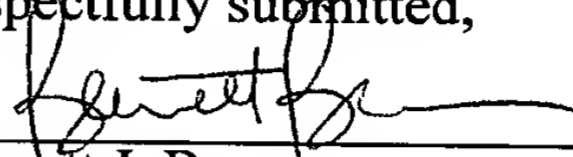
In an Office Action mailed September 19, 2000, the applicants were given one month from the mailing date to respond to a requirement for restriction. Pending Claims 1-27 were grouped into two groups, namely Group I (Claims 1-13) drawn to a method for identifying a compound that modulates the function of a protein, and Group II (Claims 14-27) drawn to a method for identifying a nucleic acid that regulates migration of a developing gonadal cell.

The applicants provisionally elect Group I with traverse. The requirement for restriction is traversed because similarities in the claims warrant a sufficiently related search that restriction is not necessary. The treatment recited in Claim 14 can be construed as "treating a target organism having a developing gonadal cell responsive to the protein with at least one potential modulator of cell migration." Likewise, the step in Claim 14 of "identifying ... a nucleic acid sequence affected by the treating step" can be one way to "[observe] ... a change in migration or shape of the developing gonadal cell attributable to the presence of the at least one modulator." For this reason, applicants respectfully ask that the two groups be considered simultaneously and that the requirement for restriction be withdrawn.

No fee is believed due in connection with this response. However, should a fee be due in this or any subsequent response, please charge the fee to deposit account number 17-

0055. Likewise, no extension of time is believed due. Should an extension of time be due in this or any subsequent response, please consider this to be a request for the appropriate extension of time and a request to charge any fee due in that regard to the same deposit account.

Respectfully submitted,



Bennett J. Berson
Reg. No. 37,094
Attorney for Applicants
QUARLES & BRADY LLP
P.O. Box 2113
Madison, WI 53701-2113

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**FEE TRANSMITTAL
for FY 2000**

OCT 18 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

\$

Complete if Known

Application Number	09/321,987
Filing Date	05/28/99
First Named Inventor	Judith E. Kimble
Group Art Unit	1632
Examiner Name	R. Shukla
Attorney Docket Number	960296.95386

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OCT 20 2000

TECH. CENTER 10/20/2000

METHOD OF PAYMENT (check one)

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

17-0055

Deposit
Account
Name

Quarles & Brady LLP

- ☒
- Charge Any Additional Fee Required
-
- Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status
See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$).00

2. CLAIMS

	Extra	Fee from below	Fee Paid
Total Claims	-20**=	X	=
Independent	-3**=	X	=
Multiple Dependent Claims			=

** or number previously paid, if greater, For reissues see below

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$).00

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,240	241	620	Petition to revive unintentionally abandoned application	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
146	710	246	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	270	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$).00

SUBMITTED BYTyped or
Printed Name

Bennett J. Berson

Registration No.
(Attorney/Agent)

37,094

Complete (if applicable)

Telephone

608/251-5000

Signature

Date

October 13, 2000

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.
These are the fees effective November 10, 1998.
Small Entity payments must be supported by a small entity statement
otherwise large entity fees must be paid, See Forms PTO/SB/09-12

TOTAL AMOUNT OF PAYMENT \$ 886.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Judith E. Kimble
Group Art Unit	
Examiner Name	
Attorney Docket Number	960296.95386

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 17-0055

Deposit Account Name Quarles & Brady LLP

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION (fees effective 11/10/98)**1. FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	760	201	380	Utility filing fee	760.00
106	310	206	155	Design filing fee	
107	480	207	240	Plant filing fee	
108	760	208	380	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 760.00)

2. CLAIMS

	Total Claims	Extra	Fee from below	Fee Paid
Total Claims	27	-20**= 7	X 18	= 126.00
Independent Claims	2	-3**= 0	X	=
Multiple Dependent Claims				=

** or number previously paid, if greater, For reissues see below

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	203	09	Claims in excess of 20
102	78	202	39	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim
109	78	209	39	**Reissue independent claims over original patent
110	18	210	09	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$126.00)

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second month	
117	870	217	435	Extension for reply within third month	
118	1,360	218	680	Extension for reply within fourth month	
128	1,850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,210	241	605	Petition to revive unintentionally abandoned application	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	760	246	380	Filing a submission after final rejection (37 CFR 1.129(a))	
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) (\$)

* Reduced by Basic Filing Fee Paid

SUBMITTED BYTyped or Printed Name Bennett J. BersonSignature Bennett J. Berson

Date

May 28, 1999

Complete (if applicable)

Reg. Number

37,094

Deposit Account User ID